

## DESCRIPTION

COMPOUND HAVING PHOSPHORYLCHOLINE GROUP, POLYMER THEREOF, ANDPROCESS FOR PRODUCING THE SAME

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## FIELD OF THE INVENTION

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The present invention relates to a novel compound having a phosphorylcholine group, a novel polymer with a phosphorylcholine side group that is obtained by polymerization using the compound as a monomer, and a process for producing the polymer.

## BACKGROUND OF THE INVENTION

It is a known fact that living organisms react

15 defensively against implanted artificial organs or medical devices to show prominent rejections such as blood coagulation, inflammation and encapsulation. This is a result of a series of bioactivation reactions that start from adsorption of proteins on materials constituting the artificial organs and

20 medical devices. Accordingly, treatments with such artificial organs or medical devices entail simultaneous use of drugs, for example anticoagulants such as heparin and immunosuppressants.

However, side effects of these drugs have been concerned